

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012224\
 Data File : VW033812.D
 Acq On : 22 Jan 2024 18:58
 Operator : SY/MD
 Sample : P1191-03MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DCMQ5MSD

Quant Time: Jan 22 23:47:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 22 23:41:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	218300	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	205058	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	105118	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	68418	40.780	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.560%
7) Chloroethane-d5	1.532	69	58763	44.228	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.460%
11) 1,1-Dichloroethene-d2	2.060	65	33023	45.735	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.480%
21) 2-Butanone-d5	3.783	46	86374	75.057	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	75.060%
24) Chloroform-d	4.249	84	134724	44.908	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.820%
26) 1,2-Dichloroethane-d4	4.941	65	88512	45.663	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.320%
32) Benzene-d6	4.960	84	253773	43.531	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.060%
36) 1,2-Dichloropropane-d6	5.989	67	79448	41.402	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.800%
41) Toluene-d8	7.243	98	237364	45.190	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.380%
43) trans-1,3-Dichloroprop...	7.551	79	41119	43.357	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.720%
47) 2-Hexanone-d5	8.021	63	60931	76.549	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.550%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	98899	40.371	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.740%
66) 1,2-Dichlorobenzene-d4	11.561	152	92617	46.439	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	74637	41.098	ug/L	98
3) Chloromethane	1.217	50	82592	39.994	ug/L	100
5) Vinyl chloride	1.285	62	92658	46.901	ug/L	86
6) Bromomethane	1.484	94	44451	43.051	ug/L	98
8) Chloroethane	1.548	64	58232	49.431	ug/L	95
9) Trichlorofluoromethane	1.716	101	129948	55.121	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	71119	51.204	ug/L	96
12) 1,1-Dichloroethene	2.072	96	67127	51.237	ug/L	91
13) Acetone	2.111	43	66010	59.994	ug/L	99
14) Carbon disulfide	2.243	76	200454	45.017	ug/L	99
15) Methyl Acetate	2.372	43	68208	37.910	ug/L #	100
16) Methylene chloride	2.449	84	72724	45.502	ug/L	94
17) trans-1,2-Dichloroethene	2.696	96	66128	45.186	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	244095	46.375	ug/L	99
19) 1,1-Dichloroethane	3.111	63	133852	44.737	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	77517	47.592	ug/L	95
22) 2-Butanone	3.863	43	88764	66.424	ug/L	96
23) Bromochloromethane	4.150	128	38425	48.561	ug/L #	84
25) Chloroform	4.275	83	135673	47.827	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	114513	48.330	ug/L	100
29) Cyclohexane	4.580	56	123201	42.618	ug/L	95
30) 1,1,1-Trichloroethane	4.513	97	126503	51.407	ug/L	99
31) Carbon tetrachloride	4.735	117	109873	52.309	ug/L	100
33) Benzene	5.008	78	279241	46.364	ug/L	100
34) Trichloroethene	5.834	95	74692	46.231	ug/L	98
35) Methylcyclohexane	6.050	83	122810	44.418	ug/L	96
37) 1,2-Dichloropropane	6.092	63	74856	45.166	ug/L	98
38) Bromodichloromethane	6.432	83	103253	47.623	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	124384	44.942	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	197660	80.487	ug/L	96
42) Toluene	7.313	91	301708	47.388	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	117311	45.996	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	71147	47.312	ug/L	98
46) Tetrachloroethene	7.905	164	58180	49.096	ug/L	96
48) 2-Hexanone	8.072	43	144306	73.746	ug/L	99
49) Dibromochloromethane	8.175	129	75154	47.985	ug/L	98
50) 1,2-Dibromoethane	8.281	107	73073	45.982	ug/L #	99
51) Chlorobenzene	8.812	112	191928	47.325	ug/L	100
52) Ethylbenzene	8.947	91	344831	46.762	ug/L	99
53) m,p-Xylene	9.072	106	127607	46.873	ug/L	99
54) o-Xylene	9.477	106	127114	47.163	ug/L	99
55) Styrene	9.497	104	214978	46.200	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	105613	44.130	ug/L	99
59) Bromoform	9.664	173	52462	46.958	ug/L	98
60) Isopropylbenzene	9.866	105	341576	48.027	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	84503	45.296	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	292696	47.965	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	290376	47.757	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	155951	48.544	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	156502	48.585	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	153904	49.030	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	23465	43.587	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	114395	48.188	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	104710	48.596	ug/L	99
71) Naphthalene	13.439	128	256556	45.566	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	101260	50.350	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

